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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/821,287	04/09/2004	Vladislav Vashchenko	100-24500 (P05848)	1115
33402	7590	11/21/2005	EXAMINER	
LAW OFFICES OF MARK C. PICKERING			PRENTY, MARK V	
P.O. BOX 300			ART UNIT	
PETALUMA, CA 94953			PAPER NUMBER	
			2822	

DATE MAILED: 11/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/821,287

Applicant(s)

VASHCHENKO ET AL.

Examiner

MARK PRENTY

Art Unit

2822

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 09 April 2004.  
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-26 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1 is/are rejected.  
7) ☒ Claim(s) 2-26 is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 09 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>April 9, 2004</u> . | 6) <input type="checkbox"/> Other: _____  |

This Office Action is in response to the papers filed on April 9, 2004.

Independent claim 1 is objected to because "a first isolation section that contacts the semiconductor material of the second conductivity type and the first region" should read, "a first isolation section that contacts the semiconductor region of the second conductivity type and the first region." Correction is required.

Claim 1 is rejected under 35 U.S.C. 102 as being anticipated by Prior Art Figs. 1A-1B. Specifically, Prior Art Figs. 1A-1B disclose a silicon controlled rectifier comprising: a semiconductor region 110 of a first (p) conductivity type; a semiconductor region 112 of a second (n) conductivity type that contacts the semiconductor region of the first conductivity type; a first region 114 of the first conductivity type that contacts the semiconductor region of the second conductivity type and is spaced apart from the semiconductor region of the first conductivity type, the first region having a first length L1; a second region 116 of the second conductivity type that contacts the semiconductor region of the second conductivity type and is spaced apart from the semiconductor region of the first conductivity type, the second region having a second length L2 and being spaced apart from the first region, the first and second lengths being measured along substantially parallel lines; and a first isolation section STI1 that contacts the semiconductor region 112 of the second conductivity type and the first region 114; and a second isolation section STI2 that contacts the semiconductor region 112 of the second conductivity type, the first region 114, and the second region 116, the first region 114 lying between the first and second isolation sections. Claim 1 is thus rejected under 35 U.S.C. 102 as being anticipated by Prior Art Figs. 1A-1B.

Claim 1 is also rejected under 35 U.S.C. 102 as being anticipated by Prior Art Figs. 2A-2B. Specifically, Prior Art Figs. 2A-2B disclose a silicon controlled rectifier comprising: a semiconductor region 110 of a first (p) conductivity type; a semiconductor region 112 of a second (n) conductivity type that contacts the semiconductor region of the first conductivity type; a first region 114 of the first conductivity type that contacts the semiconductor region of the second conductivity type and is spaced apart from the semiconductor region of the first conductivity type, the first region having a first length; a second region 116 of the second conductivity type that contacts the semiconductor region of the second conductivity type and is spaced apart from the semiconductor region of the first conductivity type, the second region having a second length and being spaced apart from the first region, the first and second lengths being measured along substantially parallel lines; and a first isolation section STI1 that contacts the semiconductor region 112 of the second conductivity type and the first region 114; and a second isolation section STI2 that contacts the semiconductor region 112 of the second conductivity type, the first region 114, and the second region 116, the first region 114 lying between the first and second isolation sections. Claim 1 is thus rejected under 35 U.S.C. 102 as being anticipated by Prior Art Figs. 2A-2B.

Claims 2-26 are objected to as being dependent upon a rejected base claim, but would be allowable over the prior art of record if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The prior art of record does not disclose or suggest the allowable silicon controlled rectifier structure taken as a whole.

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Registered practitioners can telephone the examiner at (571) 272-1843. Any voicemail message left for the examiner must include the name and registration number of the registered practitioner calling, and the Application/Control (Serial) Number. Technology Center 2800's general telephone number is (571) 272-2800.

  
Mark V. Prenty  
Primary Examiner